



ECO 360 CHALLENGE

Rethink Your Plastic Waste!

2023 - 2024

The [Eco 360 Program](#) enables youth to imagine a world without waste by closing the loop of a product's life cycle and creating a circular economy. Learners explore the origin of plastics, their use in our daily lives, how they end up in the environment as waste and how we can ensure that plastics are cycled back into the economy. This package contains everything you need to complete and submit an entry for the 2024 Eco 360 Challenge. Get inspired for your participation by taking a look through our [showcase of previous entrants!](#)

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Complete the following entry form and upload it to the submission page (accessed GreenLearning's [Challenge Page](#)) by **Friday, May 3, 2024 at 11:59pm PST**. Best of luck to you and your learners! If you have any questions or concerns at any time, please contact us at programs@greenlearning.ca or check out our [Frequently Asked Questions](#) page.

Challenge Instructions

To participate in the 2024 Eco 360 Challenge, please follow the steps below:

Step 1: Preparation

We **highly recommend** completing a selection of the following learning activities to equip your learners with the necessary knowledge and skills for completing the challenge:

Junior Learners (Grade 4-8)

- [All About Plastics](#)
- [Circular Economy and The UN's Sustainable Development Goals](#)
- [How Plastic Waste Harms the Environment](#)
- [Imagine a Waste-Free Economy](#)
- [Our Plastic Consumption Footprint](#)
- [Plastic Remake](#)
- [Plastic in Our Oceans](#)
- [Sorting Your Waste](#)
- [Taking Inspiration from Nature](#)
- [Types of Plastics](#)
- [Why do We Have Plastic Waste in the Environment](#)

Senior Learners (Grades 9-12)

- [What Are Plastics?](#)
- [Different Types of Plastics](#)
- [Properties of Plastics](#)
- [Sources of Plastic Waste in the Environment](#)
- [Plastics in the Environment](#)
- [Plastics in Our Oceans](#)
- [What is a Circular Economy?](#)
- [Circular Economy, Sustainability and Climate Action](#)
- [Reimagining Economy Using Biomimicry](#)
- [Policy Action: Circular Economy for Plastics](#)
- [Plastic Waste Management in Canada](#)
- [Plastic Waste to Energy](#)
- [Plastic Waste to Consumer Good](#)

Step 2: Develop Your Innovation (Sr.) or Invention (Jr.) Plan

Junior students (Gr. 3-8) can use the [Invention Plan Worksheet](#) to use the design-thinking model to refine their understanding of the problem and brainstorm solutions. Students should do their best to determine the **estimated plastic waste prevented from entering the environment** if their invention was created.

Senior students (Gr. 9-12) can use the [Innovation Plan Worksheet](#) to develop a feasible and creative plan that incorporates a circular economic

model to eliminate plastic waste from our environment. Students should do their best to determine the **estimated plastic waste prevented from entering the environment** if their innovation is implemented.

Step 3: Share and Spread the Word

Share your learning, planning, or action with your family, within your school community, on the radio, on social media, or any other forms! Celebrate your learnings and accomplishments and educate others on how they can learn more and take climate action!

We would love to see your Eco 360 Challenge process, tag [@GreenLearning](#) on [Twitter \(X\)](#), [Instagram](#) and [Facebook](#).

Step 4: Submission

Use the following checklist as a guide to help get organized for submitting all materials and forms by **May 3, 2024 at 11:59 pm PST**.

Submission Checklist:

- Eco 360 Challenge Package with completed Entry Form, Sharing Your Learning, and Reflection Questions
- Innovation Plan Worksheet(s) OR Invention Plan Worksheet(s)
- Supporting materials for judging, such as:
 - Copies of student work and worksheets
 - Photos and videos of students and their projects- *tell us your story!*
- Media Release Form(s) for individuals shown in photos or videos

Use the Selection Criteria below to support your Challenge process.

Entries that meet the requirements outlined in the [Eco 360 Challenge Rules and Regulations](#) will be judged between May 8, 2024 and June 5, 2024. The first, second and third place submissions will be awarded cash prizes of \$1,000, \$500 and \$250 respectively. Winners will be announced online on or around June 5th, 2024.

Selection Criteria

GreenLearning has recruited a panel of industry experts with experience and expertise on circular economic models and plastic waste to judge and provide feedback on challenge submissions. This panel of judges will be evaluating submissions based on the following selection criteria:

Criteria	Level 4	Level 3	Level 2	Level 1
Student Plans and Actions <i>Creativity, Understanding, and Problem Solving</i> (20 Points)	Plan provides a strong solution that is highly logical, creative, and effective in tackling plastic waste. Strong evidence supporting estimated plastic removal/diversion.	Plan provides a reasonable solution that is logical, creative, and effective in tackling plastic waste. Clear evidence supporting estimated plastic removal/diversion.	Plan provides a solution that is somewhat logical, creative, and effective in tackling plastic waste. Some evidence supporting estimated plastic removal/diversion.	Plan is unclear in providing a solution and lacks logic, creativity, and effectiveness in tackling plastic waste. Minimal or no evidence supporting estimated plastic removal/diversion.
Presentation of Plan & Supporting Materials <i>Communication, Evidence of Learning</i> (15 Points)	Presentation of the plan is extremely clear and demonstrates a high level of creativity. 5+ photos, videos or student worksheets were submitted demonstrating student experience.	Presentation of the plan is clear and demonstrates creativity. 3-4 photos, videos or student worksheets were submitted demonstrating student experience.	Presentation of the plan is somewhat clear and demonstrates some creativity. 1-2 photos, videos or student worksheets were submitted demonstrating student experience.	Presentation of the plan is difficult to follow and demonstrates little to no creativity. No photos, videos or student worksheets were submitted demonstrating student experience.
Sharing Your Learning <i>Communication and collaboration.</i> (10 points)	Learning was shared with clear educational intention and through multiple forms.	Learning was shared with some educational intention <i>and/or</i> through multiple forms.	Some learning was shared.	No learning was shared throughout this challenge.
Reflection Questions <i>Creativity, critical thinking and knowledge mobilization.</i> (10 Points)	Student response displays a strong understanding of circular economies and plastic waste and is highly creative.	Student response displays an understanding of circular economies and plastic waste and is creative.	Student response displays some understanding of circular economies and plastic waste and is somewhat creative.	Student response displays minimal understanding of circular economies and plastic waste with low creativity.

Entry Form

Please tell us about yourself and your class. If more than one educator or group leader was involved please complete this form based on who will be the **main contact**.

This section is not scored.

Educator's name:

Educator's email address:

Preferred Title: *(E.g. Ms. Frizzle, Mx. Simpson)*

School Name and Board:

School City:

School Province:

Educator and/or School Social Media Handles:

Number of Learners Participating:

Grade Level(s):

Subject(s) or Club Name:

Number of plans submitted:

Best estimate of *potential* plastic waste diverted (kg) if your plans were implemented: *(with brief rationale)*

Sharing Your Learning

The following question can be answered by the **joined effort** of educators and learners and is **supported by the photos, videos, and other relevant materials** provided in your submission. Sharing learning may include social media platforms, school assemblies, school announcements, school posters, sharing within the school (i.e. to younger grades), community events, presentations to community leaders, local media coverage, or any other forms.

This section is scored out of 10 points. Please see the Selection Criteria for details.

1. How did you share your experience learning about plastic waste and circular economies while participating in the Eco 360 Challenge? What did you do to help inspire others to take action? How many people did you reach as a result? *Please break down the number of people you shared your learnings with and how you shared it.*

Total # of people shared with: _____

Educator Feedback

GreenLearning is consistently looking for ways to improve our challenges and collect participant feedback. Please take a few moments to tell us about your experience by answering the questions below.

This section is not scored, but we greatly appreciate your feedback!

Efficacy of Challenge & Supporting Resources:

Please complete the table regarding the efficacy of the Challenge and associated learning:

	Not Effective	Somewhat Effective	Effective	Quite Effective	Very Effective
Developing student understanding of renewable energies.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Building confidence in teaching about renewable energies.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Providing students opportunity to demonstrate their understanding through action.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Reflecting On YOUR Experience:

Tell us about your experience as an educator with the Re-Energy Challenge:

Did you face any barriers? Align with your objectives? Use the resources? Do you have suggestions?

Reflecting On STUDENT Experience:

Tell us about your students' experiences with the Re-Energy Challenge:

Did they face any barriers? What were your students most excited about? Do they have suggestions?

Please use this opportunity to share any other questions, comments, or thoughts with us.

Congratulations!

Dear Parent / Guardian,

Your child's class, school, or eco club is participating in an exciting Climate Action Challenge hosted by GreenLearning! It's a great chance for them to learn and work together with their peers to make a difference in the fight against climate change. Plus, they could win up to \$1000 for their school, amplifying the impact of their climate actions!

To help share their story and experience in the Climate Action Challenge, please complete the attached media release form and return it to the school. This form gives permission to capture and include photos, statements, and projects created by the students. More details can be found on the *Media Release Form* below.

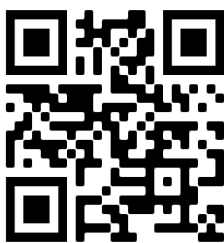
More about us: GreenLearning creates free education programs about energy, climate change and green economy that engage and empower students to create positive change for our evolving world. Our programs include both hands-on and critical thinking activities to equip educators with the educational tools they need to help students understand complex environmental issues.

For Your Attention:

*** Please Sign and Return the Media Release Consent Form on Page 2**



SCAN the QR codes below for more info!



Website



Challenges



Showcase

GreenLearning's Challenges: Media Release Consent Form

Sign and return to secure your child's participation!

Due date: _____

I, _____ hereby authorize

(Name of parent or guardian if participant is a minor, under the age of 18)

GreenLearning Canada Foundation to use and publish my child's name, image, likeness, statements, participant work and performance without charge, for public viewing and promotional purposes in publications, advertising, video, web, new media and other formats as determined by the organization. I also give permission for any content as uploaded to the Google shared folder associated with GreenLearning's programs or challenges to be used and/or edited as required.

I am aware that my child's name and/or picture and/or voice may appear in a print advertisement or other promotional material or be shown on the internet on which my child's picture can be seen or voice heard on a recording and I hereby grant permission to GreenLearning Canada Foundation to use my child's picture, voice, and/or name for these purposes.

I hereby waive any right to inspect or approve the use of these works or any electronic materials that may be used in conjunction with them now or in the future, whether the use is known to me not. I also waive all rights to any royalties related to the use of these works.

I hereby release GreenLearning Canada Foundation, and its officers, employees, shareholders and directors from any and all liability whatsoever, for now and forever.

External Media and Special Events

I also understand that external media or partner organizations might attend special events that are related to GreenLearning's programs and challenges. At these events, I give permission for my child's name, image, likeness, statements, participant work and performance to be photographed, filmed, audio or video taped for the purpose of being published and/or broadcasted online or on radio and television.

Please mark this checkbox if you **AGREE** for your child to be photographed, filmed, audio or video taped as mentioned or described above **in parts one and two.**

Child's name: _____

School: _____

Grade: _____

Teacher's name: _____

Parent's / Guardian's name: _____

Parent's / Guardian's email: _____

Parent's / Guardian's signature: _____

Date: _____